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Failure of the Throttle Front End Fitting of HT-2 Aircraft

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15. Abstract

A HT-2 aircraft force landed as the engine did not respond to the throttle movement. From the wreckage, the tube assembly of the throttle front end fitting was recovered in a broken condition. It has a steel tube with two steel end fittings fixed to the tube with two steel rivets at right angle to each other. The end fitting stud inserted into the tube had fractured. The rivet holes through the stud were unsymmetrical. The failure had occurred due to non-centering of the rivet holes and insufficient distance between the two rivets which were overlapping.